

Message

From: Praskins, Wayne [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=4F47BC0A2C2E42A98347D59CD1A98B19-WPRASKIN]
Sent: 12/16/2020 9:27:37 PM
To: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA) [derek.j.robinson1@navy.mil]
Subject: RESRAD BUILD

Derek –

We talked yesterday about some questions I had about the Navy's RESRAD BUILD evaluation of the HPNS building RGs. I thought it might be useful to put my questions in an email to you.

1. The basis for the decision to assess risk from the removable fraction using the "indirect ingestion pathway" rather than the "direct ingestion pathway."
2. The basis for the 0.1 value used for the "air release fraction" in the indirect ingestion pathway
3. The basis for the adult ingestion rate of 0.0001 m²/hr (and 0.0002 m²/hr for children). The October 2019 Battelle memo explains why the rate was doubled for children but doesn't compare the absolute rates to the EPA calculators. If I did the math right, the effective ingestion rates in the EPA calculators are about an order of magnitude higher.

I also mentioned the "air exchange rate" but see that its basis is described in the October 2019 Battelle memo. So no need to pursue that topic further. Thanks.

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